

**Learning Topic: Technical (Plant Processes & Operations).**

**Course Name: Basic Electrical Equipment in the Plant**

**Reference Code: PLOP 100**

### Course Overview:

This course is one of the basic training courses for any operation staff member.

This course is an introduction to electrical equipment. Electrical equipment is so common in the workplace and our homes that knowledge of the electrical components that comprise electrical circuits is essential.

Training in this subject is important because of the constant contact with electrical equipment. An understanding of how power is generated and distributed throughout the plant is vital for safe and efficient operation of the plant equipment.

This course covers the basic function of electrical equipment. The course also introduces high-voltage, medium-voltage, and low-voltage electrical equipment and electrical measuring devices.

### Course Objectives:

**Applying the concepts covered in this training course, delegates will be able to:**

1. Describe electrical equipment.
2. Describe high-voltage equipment.
3. Describe medium-voltage equipment.
4. Describe low-voltage equipment.
5. Describe electrical measuring devices.

### Training Methodologies:

The training methodology is interactive and is suitable for all employees involved in maintenance and operations management enhancing the following:

- Pre-test and Post-test
- Variety of Learning Methods & examples
- Presentation
- Lectures
- Group Work

#### United Arab Emirates

Emirates Towers, Level 41 Sheikh Zayed Road  
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## Who should attend?

Operation engineers

Operations technicians

Operators

Maintenance technicians

Any interested plant personnel in stores, warehouse, safety, procurement, logistics...etc.

## Training Outline:

### Day 1:

Course Introduction & Lesson 1: About Electrical Equipment

### Day 2:

Lesson 2: High-voltage Equipment

### Day 3:

Lesson 3: Medium-voltage Equipment

### Day 4:

Lesson 4: Low-voltage Equipment

### Day 5:

Lesson 5: Electrical Measuring Devices & Course Conclusion

**Duration:** 5 Days

**Venue:**

**Numbers of hours:** 30 Hours

**Time:** 08:00 AM -02:00 PM

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